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UNITED STATES DEPARTMENT OF AGRICULTURE

National Agricultural Statistics Service

USDA, NASS, Hawaii Field Office

In cooperation with the Hawaii Department of
Agriculture and Hawaii Farm Bureau Federation



Hawaii Farm Bureau
FEDERATION

Hawaii Agricultural Theft & Vandalism

U.S.D.A., NAL

JAN 3 2006

CATALOGING PREP

Mark E. Hudson, Director

October 18, 2005

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2005

Agriculture Theft and Crime Cost Hawaii Farm Producers \$11.4 million in 2004

The total value of theft and vandalism losses, as well as security costs, from Hawaii farms is estimated at \$11.4 million or 9% of the 2004 Hawaii net farm income of \$122 million estimated by USDA, Economic Research Service. Total theft of farm commodities, materials, equipment, and other property is pegged at \$1.95 million. Statewide vandalism cost to farms in Hawaii totaled \$2.02 million. Total security costs to prevent theft and/or vandalism totaled \$7.40 million.

Trespassing incidents for the State totaled 39,632 during 2004 with 1,237 reported to law enforcement. The number of arrests resulting from reported theft and/or vandalism is estimated at 119, resulting in 34 people found guilty in a court of law. Survey respondents indicated satisfaction with law enforcement at the following levels: 5% very satisfied, 6% satisfied, 64% neutral, 12% unsatisfied, and 13% very unsatisfied.

Survey respondents compared overall 2004 crime levels to 1999. The five-year change breakouts were 19% perceived crime levels increasing, 21% viewed crime levels declining, and 60% held the opinion of no change of 2004 crime levels in comparison to 1999.

Table 1. Theft and Vandalism Losses and Security Measure Costs, by County, 2004

County	Losses		Security Measure Costs	Total
	Theft	Vandalism ¹		
----- \$1,000 -----				
Hawaii.....	634	192	3,119	3,945
Honolulu.....	798	568	2,553	3,919
Kauai.....	185	99	893	1,177
Maui.....	329	1,160	835	2,324
Total.....	1,946	2,019	7,400	11,365

¹ A large vandalism event occurred during 2004 and was reported by one of our respondents. We consider this event a statistical aberration. We have omitted this event and summarized the remaining data to acquire what we consider a truer picture of agricultural vandalism for the State of Hawaii.

The Hawaii Field Office of the USDA's National Agricultural Statistics Service conducted a special survey of Hawaii's farmers to obtain the results used in this report. We appreciate the cooperation of Hawaii's agricultural producers who responded to this survey. A special note of acknowledgement goes to the Hawaii Farm Bureau Federation (HFBF). This study was produced with funds from the State of Hawaii, Department of Agriculture and co-sponsored by the HFBF. We would also like to recognize Sandra Lee Kunimoto, Chairperson of the State of Hawaii, Department of Agriculture, for her support of this study.

U.S.D.A., NAL

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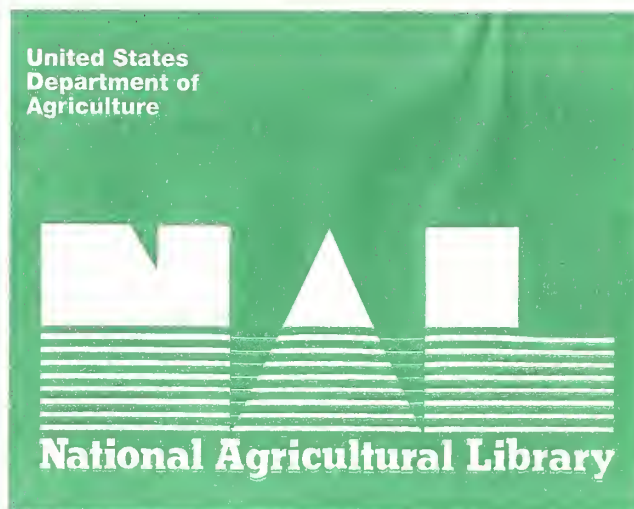
CATALOGING PREP

Table 2. Theft by Category, State of Hawaii, 2004

Type of Theft	Number of Incidents	Amount of Loss \$1,000
Crop	2,900	562
Livestock	284	262
Chemical/Fertilizer	127	55
Machinery/Equipment	608	839
Other Property	820	228
Total	4,739	1,946

Table 3. I

County
Hawaii
Honolulu
Kauai
Maui
Total



y	Total
	1,574
	2,492
	439
	234
	4,739

Table 4. Amount of Loss Due to Theft, by Type of Theft, by County, 2004

County	Type of Theft					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
	\$1,000					
Hawaii	196	213	12	153	60	634
Honolulu	218	7	31	506	36	798
Kauai	82	37	3	11	52	185
Maui	66	5	9	169	80	329
Total	562	262	55	839	228	1,946

Table 5. Number of Theft Incidents, by Type of Theft, by Commodity Group, 2004

Type of Farm	Type of Theft					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
Fruit	746	9	5	71	444	1,275
Vegetable	1,640	0	43	305	77	2,065
Livestock, poultry, aquaculture, or bee & honey	11	245	0	52	149	457
Macadamia nut	25	30	22	5	0	82
Coffee	160	0	20	31	7	218
Floriculture	300	0	25	86	111	522
Other	18	0	12	58	32	120
Total	2,900	284	127	608	820	4,739

Table 6. Amount of Loss Due to Theft, by Type of Theft, by Commodity Group, 2004

Type of Farm	Type of Theft					
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	Total
----- \$1,000 -----						
Fruit	155	3	8	59	50	275
Vegetable	157	0	19	490	30	696
Livestock, poultry, aquaculture, or bee & honey	3	257	0	42	38	340
Macadamia nut	31	2	1	1	0	35
Coffee	107	0	3	16	1	127
Floriculture	97	0	5	80	57	239
Other	12	0	19	151	52	234
Total	562	262	55	839	228	1,946

Table 7. Number of Theft Incidents, by Type of Theft, by Economic Size of Farm, 2004

Agricultural Sales	Type of Theft					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
Over \$500,000	93	33	21	98	108	353
\$50,000 to 500,000	581	107	49	125	158	1,020
\$10,000 to 49,999	517	88	38	126	212	981
Under \$10,000	1,709	56	19	259	342	2,385
Total	2,900	284	127	608	820	4,739

Table 8. Amount of Loss Due to Theft, by Type of Theft, by Economic Size of Farm, 2004

Agricultural Sales	Type of Theft					
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	Total
----- \$1,000 -----						
Over \$500,000	99	138	23	190	105	555
\$50,000 to 500,000	166	64	23	89	45	387
\$10,000 to 49,999	170	55	8	87	67	387
Under \$10,000	127	5	1	473	11	617
Total	562	262	55	839	228	1,946

Table 9. Vandalism by Category, State of Hawaii, 2004

Type of Vandalism	Number of Incidents	Amount of Loss
\$1,000		
Crop	263	1,026
Livestock	61	299
Chemical/Fertilizer	23	4
Machinery/Equipment	169	465
Other Property	637	225
Total	1,153	2,019

Table 10. Number of Vandalism Incidents, by Type of Vandalism, by County, 2004

County	Type of Vandalism					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
Hawaii	126	34	19	51	264	494
Honolulu	17	9	0	53	54	133
Kauai	3	18	1	25	32	79
Maui	117	0	3	40	287	447
Total	263	61	23	169	637	1,153

Table 11. Amount of Loss Due to Vandalism, by Type of Vandalism, by County, 2004

County	Type of Vandalism					
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	Total
----- \$1,000 -----						
Hawaii	40	48	1	45	58	192
Honolulu	5	241	1	273	48	568
Kauai	29	10	1	46	13	99
Maui	952	0	1	101	106	1,160
Total	1,026	299	4	465	225	2,019

Table 12. Number of Vandalism Incidents, by Type of Vandalism, by Commodity Group, 2004

Type of Farm	Type of Vandalism					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
Fruit	23	6	0	24	251	304
Vegetable	168	0	0	27	41	236
Livestock, poultry, aquaculture, or bee & honey	40	55	0	38	213	346
Macadamia nut	1	0	19	0	25	45
Coffee	7	0	0	20	33	60
Floriculture	11	0	1	15	45	72
Other	13	0	3	45	29	90
Total	263	61	23	169	637	1,153

Table 13. Amount of Loss Due to Vandalism, by Type of Vandalism, by Commodity Group, 2004

Type of Farm	Type of Vandalism					
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	Total
----- \$1,000 -----						
Fruit.....	52	5	0	13	26	96
Vegetable.....	15	0	0	234	3	252
Livestock, poultry, aquaculture, or bee & honey.....	3	294	0	48	81	426
Macadamia nut.....	1	0	1	0	2	4
Coffee.....	1	0	0	3	17	21
Floriculture.....	37	0	1	39	28	105
Other.....	917	0	2	128	68	1,115
Total.....	1,026	299	4	465	225	2,019

Table 14. Number of Vandalism Incidents, by Type of Vandalism, by Economic Size of Farm, 2004

Agricultural Sales	Type of Vandalism					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
Over \$500,000	44	1	4	74	275	398
\$50,000 to 500,000	105	18	0	47	240	410
\$10,000 to 49,999	114	23	0	48	103	288
Under \$10,000	0	19	19	0	19	57
Total	263	61	23	169	637	1,153

Table 15. Amount of Loss Due to Vandalism, by Type of Vandalism, by Economic Size of Farm, 2004

Agricultural Sales	Type of Vandalism					Total
	Crop	Livestock	Chemical/ Fertilizer	Machinery/ Equipment	Other Property	
----- \$1,000 -----						
Over \$500,000	983	0	3	370	85	1,441
\$50,000 to 500,000	29	285	0	72	95	481
\$10,000 to 49,999	14	12	0	23	45	94
Under \$10,000	0	2	1	0	0	3
Total	1,026	299	4	465	225	2,019

Table 16. Amount Spent on Security Measures to Prevent Theft, Vandalism, or Trespassing, by County, 2004

County	Security Measure					
	Security System	Guards	Fences, Locks, Barriers, etc.	Dogs	Other	Total
----- \$1,000 -----						
Hawaii	127	51	2,583	311	47	3,119
Honolulu	404	935	901	125	188	2,553
Kauai	518	195	120	39	21	893
Maui	33	451	220	98	33	835
Total	1,082	1,632	3,824	573	289	7,400

Table 17. Amount Spent on Security Measures to Prevent Theft, Vandalism, and Trespassing, by Commodity Group, 2004

Type of Farm	Security Measures					
	Security System	Guards	Fences, Lock, Barriers, etc.	Dogs	Other	Total
	----- \$1,000 -----					
Fruit	12	216	199	100	37	564
Vegetable	14	71	156	47	11	299
Livestock, poultry, aquaculture, or bee & honey	16	441	2,257	168	160	3,042
Macadamia nut	7	14	158	28	17	224
Coffee	24	114	235	17	7	397
Floriculture	92	60	455	175	26	808
Other	917	716	364	38	31	2,066
Total	1,082	1,632	3,824	573	289	7,400

**Table 18. Trespassing Incidents,
by County, 2004**

County	Number of Trespassing Incidents
Hawaii	32,021
Honolulu	4,227
Kauai	1,534
Maui	1,850
Total	39,632

**Table 19. Trespassing Incidents,
by Economic Size of Farm, 2004**

Agricultural Sales	Number of Trespassing Incidents
Over \$500,000.....	1,275
\$50,000 to 500,000	28,101
\$10,000 to 49,999	4,736
Under \$10,000.....	5,520
Total	39,632

Table 20. Trespassing Incidents, by Commodity Group, 2004

Type of Farm	Number of Trespassing Incidents
Fruit.....	2,815
Vegetable	22,488
Livestock, poultry, aquaculture, or bee & honey	5,127
Macadamia nut	2,061
Coffee	1,188
Floriculture	4,635
Other	1,318
Total	39,632

**Table 21. Number and Level of Prosecution of Theft, Vandalism, and Trespassing Incidents,
by County, 2004**

County	Level of Prosecution		
	Reported to Police	Arrested	Convicted
Hawaii	655	86	13
Honolulu	206	10	6
Kauai	199	18	12
Maui	177	5	3
Total	1,237	119	34

**Table 22. Number and Level of Prosecution of Theft, Vandalism, and Trespassing Incidents,
by Commodity Group, 2004**

Type of Farm	Level of Prosecution		
	Reported to Police	Arrested	Convicted
Fruit.....	138	13	9
Vegetable	125	6	6
Livestock, poultry, aquaculture, or bee & honey	352	16	11
Macadamia nut	121	8	7
Coffee	74	12	0
Floriculture	304	57	0
Other	123	7	1
Total	1,237	119	34

**Table 23. Number and Level of Prosecution of Theft, Vandalism, and Trespassing Incidents,
by Economic Size of Farm, 2004**

Agricultural Sales	Level of Prosecution		
	Reported to Police	Arrested	Convicted
Over \$500,000	293	11	2
\$50,000 to 500,000	330	24	9
\$10,000 to 49,999	330	27	23
Under \$10,000	284	57	0
Total	1,237	119	34

**Table 24. Level of Satisfaction with Law Enforcement, Reported as a Percentage of Respondents,
by County, 2004**

County	Level of Satisfaction				
	Very Satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied
----- percentage -----					
Hawaii	7	2	65	11	15
Honolulu	2	7	75	8	8
Kauai	0	20	44	21	15
Maui	0	5	69	20	6
Total	5	6	64	12	13

**Table 25. Level of Satisfaction with Law Enforcement, Reported as a Percentage of Respondents,
by Commodity Group, 2004**

Type of Farm	Level of Satisfaction				
	Very Satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied
----- percentage -----					
Fruit	0	9	80	6	5
Vegetable	1	2	68	19	10
Livestock, poultry, aquaculture, or bee & honey	0	8	56	13	23
Macadamia nut	10	4	67	9	10
Coffee	0	0	72	9	19
Floriculture	17	5	56	16	6
Other	0	6	68	6	20
Total	5	6	64	12	13

**Table 26. Level of Satisfaction with Law Enforcement, Reported as a Percentage of Respondents,
by Economic Size of Farm, 2004**

Agricultural Sales	Level of Satisfaction				
	Very Satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied
----- percentage -----					
Over \$500,000	1	8	55	14	22
\$50,000 to 500,000	3	5	61	15	16
\$10,000 to 49,999	2	3	63	16	16
Under \$10,000	10	8	72	5	5
Total	5	6	64	12	13



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**Table 27. Five-year Change in Level of Crime, Reported as a Percentage of Response
by County, 2004**

County	Level of Change		
	Increased	Decreased	No Change
----- percentage -----			
Hawaii	19	21	60
Honolulu	20	26	54
Kauai	28	20	52
Maui	15	15	70
Total	19	21	60

**Table 28. Five-year Change in Level of Crime, Reported as a Percentage of Respondents,
by Commodity Group, 2004**

Type of Farm	Level of Change		
	Increased	Decreased	No Change
----- percentage -----			
Fruit	25	21	54
Vegetable	21	17	62
Livestock, poultry, aquaculture, or bee & honey	18	23	59
Macadamia nut	28	16	56
Coffee	11	19	70
Floriculture	16	22	62
Other	30	32	38
Total	19	21	60

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